


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: The ACM Digital Library The Guide

 Searching within **The ACM Digital Library** for: string exclusive OR match header protocol ([start a new search](#))

 Found **84** of **284,234**
**REFINE YOUR SEARCH**

Refine by Keywords  
  
[Discovered Terms](#)

Refine by People  
[Names](#)  
[Institutions](#)  
[Authors](#)  
[Editors](#)  
[Reviewers](#)

Refine by Publications  
[Publication Year](#)  
[Publication Names](#)  
[ACM Publications](#)  
[All Publications](#)  
[Content Formats](#)  
[Publishers](#)

Refine by Conferences  
[Sponsors](#)  
[Events](#)  
[Proceeding Series](#)

Search Results

[Related Journals](#)
[Related Magazines](#)
[Related SIGs](#)
[Related Conferences](#)

Results 1 - 20 of 84

 Sort by **relevance** in **expanded form**
[Save results to a binder](#)

 Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [next](#) [»](#)
**1** [Communications of the ACM: Volume 53 Issue 6](#)

June 2010 Communications of the ACM

**Publisher:** ACM

 Full text available: [Digital Edition](#), [Pdf](#) Additional Information: [full citation](#)
**Bibliometrics:** Downloads (6 Weeks): 6845, Downloads (12 Months): 6845, Downloads (Overall): 6845, Citation Count: 0

**2** [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **CASCON '97**: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

**Publisher:** IBM Press

 Full text available: [Pdf](#) (4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 258, Downloads (Overall): 5910, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

**3** [Survey and taxonomy of packet classification techniques](#)
[David E. Taylor](#)

 September 2005 **Computing Surveys (CSUR)**, Volume 37 Issue 3

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (1.60 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 38, Downloads (12 Months): 371, Downloads (Overall): 3366, Citation Count: 25

Packet classification is an enabling function for a variety of Internet applications including quality of service, security, monitoring, and multimedia communications. In order to classify a packet as belonging to a particular flow or set of flows, network ...

**Keywords:** Packet classification, flow identification

**4** [A dictionary of APL](#)
[Kenneth E. Iverson](#)

 March 2007 **SIGAPL APL Quote Quad**, Volume 35 Issue 1-2

**Publisher:** ACM

 Full text available: [Pdf](#) (921.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 42, Downloads (Overall): 173, Citation Count: 1

APL is a formal, imperative language. Because it is imperative, a sentence may be called an instruction, and may be executed to produce a result. In illustrations used here, an instruction will be indented, and the result of its execution will be shown ...

**5** [Efficient and provably secure aggregation of encrypted data in wireless sensor networks](#)
[Claude Castelluccia](#), [Aldar C. E. Chan](#), [Binar Mykletun](#), [Gene Tsudik](#)

 May 2009 **Transactions on Sensor Networks (TOSN)**, Volume 5 Issue 3

**Publisher:** ACM [Request Permissions](#)

 Full text available: [Pdf](#) (270.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 39, Downloads (12 Months): 617, Downloads (Overall): 701, Citation Count: 0

Wireless sensor networks (WSNs) are composed of tiny devices with limited computation and battery capacities. For such resource-constrained devices, data transmission is a very energy-consuming operation. To maximize WSN lifetime, it is essential to ...

**Keywords:** Authentication, cryptography, privacy, pseudorandom functions, secure data aggregation, stream ciphers, wireless sensor networks


**6** [Practical network support for IP traceback](#)
[Stefan Savage](#), [David Wetherall](#), [Anna Karlin](#), [Tom Anderson](#)

 August 2000 **SIGCOMM '00**: Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication

**ADVANCED SEARCH**
[Advanced Search](#)
**FEEDBACK**
[Please provide us with feedback](#)

 Found **84** of **284,234**

**Publisher:** ACM 

Full text available:  Pdf (167.15 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 219, Downloads (Overall): 1852, Citation Count: 157

This paper describes a technique for tracing anonymous packet flooding attacks in the Internet back towards their source. This work is motivated by the increased frequency and sophistication of denial-of-service attacks and by the difficulty in tracing ...

Also published in:


October 2000 **SIGCOMM Computer Communication Review** Volume 30 Issue 4

#### 7 [Link-layer protection in 802.11i WLANs with dummy authentication](#)

 Zhimin Yang, Adam C. Champion, Boxuan Gu, Xiaole Bai, Dong Xuan

March 2009 **WiSec '09**: Proceedings of the second ACM conference on Wireless network security

**Publisher:** ACM 

Full text available:  Pdf (477.66 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 251, Downloads (Overall): 330, Citation Count: 0

The current 802.11i standard can provide data confidentiality, integrity and mutual authentication in enterprise Wireless Local Area Networks (WLANs). However, secure communication can only be provided after successful authentication and a robust security ...


**Keywords:** dummy authentication, open access, security, wlan

#### 8 [Intercepting mobile communications: the insecurity of 802.11](#)

 Nikita Borisov, Ian Goldberg, David Wagner

July 2001 **MobiCom '01**: Proceedings of the 7th annual international conference on Mobile computing and networking

**Publisher:** ACM 


Full text available:  Pdf (181.52 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 307, Downloads (Overall): 3150, Citation Count: 102


The 802.11 standard for wireless networks includes a Wired Equivalent Privacy (WEP) protocol, used to protect link-layer communications from eavesdropping and other attacks. We have discovered several serious security flaws in the protocol, stemming ...

#### 9 [Matching attack patterns to security vulnerabilities in software-intensive system designs](#)

 Michael Genick, Laurie Williams

July 2005 **SESS '05**: Proceedings of the 2005 workshop on Software engineering for secure systems—building trustworthy applications

**Publisher:** ACM

Full text available:  Pdf (180.98 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 146, Downloads (Overall): 1419, Citation Count: 3

Fortifying software applications from attack is often an effort that occurs late in the software development process. Applying patches to fix vulnerable applications in the field is a common approach to securing applications. Abstract representations ...

**Keywords:** design, regular expression, security

Also published in:


July 2005 **SIGSOFT Software Engineering Notes** Volume 30 Issue 4

#### 10 [Network support for IP traceback](#)

Stefan Savage, David Wetherall, Anna Karlin, Tom Anderson

June 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 3

**Publisher:** IEEE Press

Full text available:  Pdf (196.89 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 75, Downloads (Overall): 1123, Citation Count: 51

This paper describes a technique for tracing anonymous packet flooding attacks in the Internet back toward their source. This work is motivated by the increased frequency and sophistication of denial-of-service attacks and by the difficulty in tracing ...


**Keywords:** computer network management, computer network security, network servers, stochastic approximation, wide-area networks

#### 11 [Optimizing memory transactions](#)

 Tim Harris, Mark Flisako, Avraham Shinnar, David Tarditi

June 2006 **PLDI '06**: Proceedings of the 2006 ACM SIGPLAN conference on Programming language design and implementation

**Publisher:** ACM 

Full text available:  Pdf (235.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 122, Downloads (Overall): 883, Citation Count: 66


Atomic blocks allow programmers to delimit sections of code as 'atomic', leaving the language's implementation to enforce atomicity. Existing work has shown how to implement atomic blocks over *word-based transactional memory* that provides scalable ...

**Keywords:** atomicity, critical regions, transactional memory

Also published in:


June 2006 **SIGPLAN Notices** Volume 41 Issue 6

## 12 [Verification and change-impact analysis of access-control policies](#)

 [Kathi Fisler](#), [Shriram Krishnamurthi](#), [Lee A. Meyerovich](#), [Michael Carl Tschantz](#)

May 2005 **ICSE '05: Proceedings of the 27th international conference on Software engineering**

**Publisher:** ACM 

Full text available:  [Pdf](#) (206.70 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 110, Downloads (Overall): 884, Citation Count: 33

Sensitive data are increasingly available on-line through the Web and other distributed protocols. This heightens the need to carefully control access to data. Control means not only preventing the leakage of data but also permitting access to necessary ...


**Keywords:** XACML, access-control policies, change-impact analysis, decision diagram, verification

## 13 [Compressed bloom filters](#)

[Michael Mitzenmacher](#)

October 2002 **IEEE/ ACM Transactions on Networking (TON)**, Volume 10 Issue 5

**Publisher:** IEEE Press

Full text available:  [Pdf](#) (305.55 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 121, Downloads (Overall): 947, Citation Count: 29

A Bloom filter is a simple space-efficient randomized data structure for representing a set in order to support membership queries. Although Bloom filters allow false positives, for many applications the space savings outweigh this drawback when the ...


**Keywords:** algorithms, computer networks, distributed computing, distributed information systems, information theory

## 14 [WISDOM: security-aware fibres](#)

 [Elias Athanasiou](#), [Antonis Krithinakis](#), [Georgios Kopidakis](#), [Graeme Maxwell](#), [Alistair Poustis](#), [Bob Manning](#), [Fied Webb](#), [Martin Koyabe](#), [Carla Di Cairano](#), [Giffedder](#)

March 2009 **EUROSEC '09: Proceedings of the Second European Workshop on System Security**

**Publisher:** ACM 

Full text available:  [Pdf](#) (789.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)


**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 37, Downloads (Overall): 64, Citation Count: 0


The network is becoming faster day by day. High-speed links, of many Gbps, are considered as commodity technology empowering the Internet. On the other hand, Moore's law still applies to current processing power. It needs about 18 months for CPUs to ...

## 15 [On designing fast nonuniformly distributed IP address lookup hashing algorithms](#)

[Christopher J. Martinez](#), [Devana K. Pandya](#), [Wei-Ming Lin](#)

December 2009 **IEEE/ ACM Transactions on Networking (TON)**, Volume 17 Issue 6

**Publisher:** IEEE Press 

Full text available:  [Pdf](#) (1.02 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 66, Downloads (Overall): 66, Citation Count: 0



Computer networks have continued to make substantial advances in the past couple of decades through better technologies and methodologies employed. As the usage of the networks continues to increase exponentially, high throughput of the networks has ...

**Keywords:** IP address lookup, hashing algorithm, nonuniform distribution

## 16 [Communications of the ACM: Volume 51 Issue 12](#)


 December 2008 Communications of the ACM

**Publisher:** ACM



Full text available:  [Digital Edition](#),  [Pdf](#) (6.91 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 261, Downloads (12 Months): 261, Downloads (Overall): 3923, Citation Count: 0

## 17 [Communications of the ACM: Volume 52 Issue 1](#)


 January 2009 Communications of the ACM

**Publisher:** ACM



Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.72 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 290, Downloads (12 Months): 290, Downloads (Overall): 1343, Citation Count: 0

**18** [Communications of the ACM: Volume 51 Issue 11](#)


 November 2008 Communications of the ACM

**Publisher:** ACM



Full text available:  [Digital Edition](#) ,  [Pdf](#) (8.26 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 219, Downloads (12 Months): 219, Downloads (Overall): 3093, Citation Count: 0

**19** [Communications of the ACM: Volume 51 Issue 9](#)


 September 2008 Communications of the ACM

**Publisher:** ACM



Full text available:  [Digital Edition](#) ,  [Pdf](#) (8.68 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 195, Downloads (12 Months): 195, Downloads (Overall): 4128, Citation Count: 0

**20** [Communications of the ACM: Volume 51 Issue 2](#)

 February 2008 Communications of the ACM

**Publisher:** ACM





Full text available:  [Digital Edition](#) ,  [Pdf](#) (3.89 MB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 98, Downloads (12 Months): 98, Downloads (Overall): 3689, Citation Count: 0

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [next](#) [»](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2010 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)